

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number  
WO 2005/061348 A1

(51) International Patent Classification<sup>7</sup>: B65G 17/00,  
35/06

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:  
PCT/EP2004/014571

(22) International Filing Date:  
20 December 2004 (20.12.2004)

(25) Filing Language: English

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: English

(30) Priority Data:  
03104829.1 19 December 2003 (19.12.2003) EP

(71) Applicant (for all designated States except US): LAN-GENPAC N.V. [NL/NL]; Edisonstraat 18, NL-6604 BV Wijchen (NL).

Declaration under Rule 4.17:

(72) Inventor; and  
(75) Inventor/Applicant (for US only): ROVERS, Theodorus, Johannes, Gerardus, Maria [NL/NL]; Vrijstraat 9B, NL-5846 AG Ledeacker (NL).

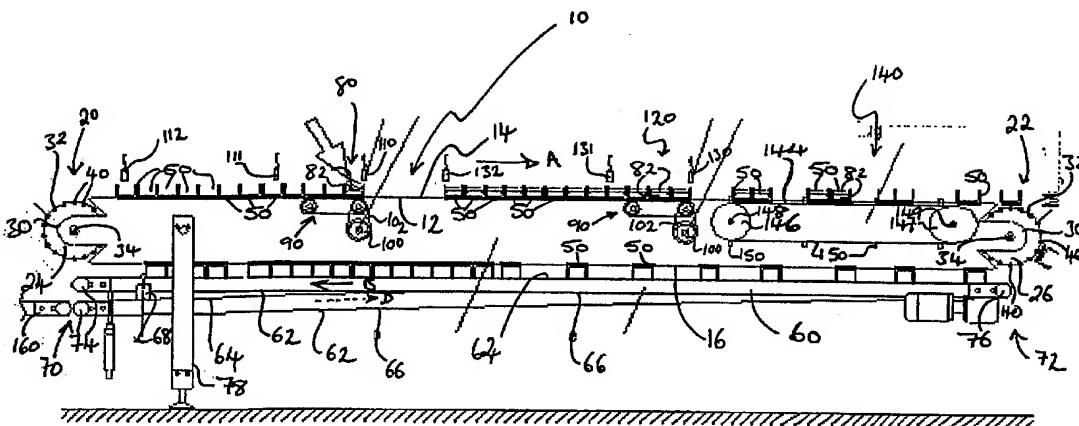
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ,

(74) Agents: SMITH, Norman, Ian et al.; FJ Cleveland, 40-43 Chancery Lane, London WC2A 1JQ (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

[Continued on next page]

(54) Title: A BUCKET CONVEYING MACHINE, IN PARTICULAR FOR COLLATING PRODUCT UNITS



(57) Abstract: A bucket conveying machine is disclosed which comprises a first working conveyor (10) having a first upstream end (20) and a second downstream end (22), said first conveyor (10) being adapted to convey a plurality of buckets (50) resting freely thereon from said first end (20) to said second end, a second return conveyor (60) adapted to return buckets from the second end (22) of said first conveyor to the first end thereof, drive means for driving said first and second conveyors, first transfer means (26) for transferring buckets from the first conveyor to the second conveyor at the second end (22), and second transfer means (24) for transferring buckets from the second conveyor to the first conveyor at the first end. The invention also comprehends a device (90) for controlling the position of one or more buckets on a conveyor.

WO 2005/061348 A1



NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

**Published:**

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.